IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:					
WARREN M. FARNWORTH SALMAN AKRAM					
Serial No.:		EXAMINER:			
Filing Date: 09/11/20	003	ART UNIT:			
Continuation of Serio					
For: CONTACT FO	OR SEMICONDUCTOR CO	OMPONENTS			
Attorney Docket No	. 99-0311.3				
		CLOSURE STATEMENT per 18, 2003			
Mail Stop Patent Commissioner for P.O. Box 1450 Alexandria, VA 2	or Patents				
Sir:					
The follow Disclosure State		being submitted for this Information			
1. <u>x</u>	Preliminary State	ments			
2. <u>x</u>	FORM PTO SB/08				
3.		nformation Material to Found in Patents or Publications.			
4. <u>x</u>	Information Was .	rior Application in Which Listed Already Cited and For Which No Copies r Need be Submitted.			
5	Cumulative Pater	nts or Publications.			

Copies of Listed Information Items Accompanying This Statement.

6.

7.		Concise Explanation of Non-English Language Listed Information Items.
8.		Translation(s) of Non-English Language Documents.
9.	x	Identification of Person(s) Making This Information Disclosure Statement

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

The p (a)	The person making this statement is (a) the inventor(s) who signs below				
			SIGNATURE OF INVENTOR		
			Name of Inventor		
(b)	x	the attorn	ey who signs below on the basis of:		
			the information supplied by the inventor(s)		
		· ———	an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))		
		x	the information in the attorney's file.		

Section 3. Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies are Submitted or Needed Be Submitted.

This application relies, under 35 U.S.C. 120, on the earlier filing date of application serial no. 10/198,895 filed 07/18/2002, which is a division of Serial No. 09/275,791 filed 03/25/1999, Patent No. 6,437,591 B1.

The attached list of references were submitted to and/or cited by the Office in these prior applications and, therefore, are not required to be provided in this application.

DATED this 18th day of September, 2003.

Respectfully submitted:

Stephen A. Grotton Registration No 28,418 Attorney for Applicants

2764 South Braun Way Lakewood, CO 80228 Telephone: (303) 989 6353 FAX: (303) 989 6538

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label Number EU 013 024 535US Date of Deposit: September 18, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Signature

Stephen A Gratton, Attorney for Applicants

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Subs	stitute for form 144	9/PTO		Complete if Known			
				Application Number			
IN	FORMAT	וטא טו	SCLOSURE	Filing Date	09/18/2003		
				First Named Inventor	WARREN M. FARNWORTH		
STATEMENT BY APPLICANT				Art Unit			
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Shoot	1 1	of	5	Attorney Docket Number	99-0311 3		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
	Α	^{US-} 4,937,653	06/26/1990	Blonder et al.	
	В	^{US-} 5,006,792	04/09/1991	Malhi	
	С	^{US-} 5,046,239	09/10/1991	Miller et al.	
	D	^{US-} 5,073,117	12/17/1991	Malhi et al.	
	Е	^{US-} 5,137,461	08/11/1992	Bindra et al.	
	F	^{US-} 5,172,050	12/15/1992	Swapp	
	G	^{US-} 5,196,726	03/23/1993	Nishiguichi et al.	
	Н	^{US-} 5,329,423	07/12/1994	Scholz	
	1	^{US-} 5,341,564	08/30/1994	Akhavain et al.	
	J	^{US-} 5,419,807	05/30/1995	Akram et al.	
	K	^{US-} 5,420,520	05/30/1995	Anschel et al.	
	L	^{US-} 5,478,779	12/26/1995	Akram	
	М	^{US-} 5,481,205	01/02/1996	Frye et al.	
	Z	^{US-} 5,483,741	01/16/1996	Akram et al.	
	0	^{US-} 5,500,605	03/19/1996	Chang	
	Р	^{US-} 5,519,332	05/21/1996	Wood et al.	
	Q	^{US-} 5,539,324	07/23/1996	Wood et al.	
	R	^{US-} 5,541,525	07/30/1996	Wood et al.	
	S	^{US-} 5,559,444	09/24/1996	Farnworth et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Cite Initials* No.1		Foreign Patent Document	Foreign Patent Document Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	T	
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	INI	EODMATIC	ואו הו	SCLOSURE	Filing Date	09/18/2003	_
					First Named Inventor	WARREN M. FARNWORTH	
	S			APPLICANT	Art Unit		
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	U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	T	US- 5,578,526	11/26/1996	Akram et al.	r igures i prodi	
	Ü	^{US-} 5,592,736	11/14/1997	Akram et al.		
	V	US- 5,625,298	04/29/1997	Hirano et al.		
	w	^{US-} 5,629,837	05/13/1997	Barabi et al.		
	X	US- 5,663,654	09/02/1997	Wood et al.		
	Y	US- 5,686,317	11/11/1997	Akram et al.		
	Z	US- 5,691,041	11/25/1997	Frankeny et al.		
	AA	^{US-} 5,783,461	07/21/1998	Hembree		
	AB	^{US-} 5,796,264	08/18/1998	Farnworth et al.		
	AC	^{US-} 5,802,699	09/08/1998	Fjelstad et al.		
	AD	^{US-} 5,810,609	09/22/1998	Faraci et al.		
	AE	^{US-} 5,815,000	09/29/1998	Farnworth et al.		
	AF	^{US-} 5,834,945	11/10/1998	Akram et al.		
	AG	^{US-} 5,787,485	03/09/1999	Wood et al.		
	AH	^{US-} 5,900,674	05/04/1999	Wojnarowski et al.		
	AI	^{US-} 5,931,685	08/03/1999	Hembree et al.		
	AJ	^{US-} 5,962,921	10/05/1999	Farnworth et al.		
	AK	^{US-} 5,973,394	10/26/1999	Slocum et al.		
	AL	^{US-} 6,016,060	01/18/2000	Akram et al.		

	FOREIGN PATENT DOCUMENTS						
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Translation is attached.

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	Substitute for form 1449/PTO		Complete if Known		
	Guboulato for form 1445/1 10		Application Number		
	INFORMATION D	ISCI OSLIDE	Filing Date	09/18/2003	
			First Named Inventor	WARREN M. FARNWORTH	
	STATEMENT BY		Art Unit		
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$\overline{}$	Sheet 3 of	5	Attorney Docket Number	99-0311.3	

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	АМ	^{US-} 6,040,702	03/21/2000	Hembree et al.	
	AN	^{US-} 6,072,326	06/06/2000	Akram et al.	
	AO	^{US-} 6,086,386	07/11/2000	Fjelstad et al.	
	AP	^{US-} 6,091,252	07/18/2000	Akram et al.	
	AQ	^{US-} 6,107,109	08/22/2000	Akram et al.	
	AR	^{US-} 6,188,301 B1	02/13/2001	Kornrumpf et al.	
	AS	^{US-} 6,200,143 B1	03/13/2001	Haba et al.	
	AT	^{US-} 6,208,156 B1	03/27/2001	Hembree	
	AU	^{US-} 6,208,157 B1	03/27/2001	Akram et al.	
	AV	^{US-} 6,222,280 B1	04/24/2001	Farnworth et al.	
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	AY	^{US-} 6,294,837 B1	09/25/2001	Akram et al.	
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	ВА	^{US-} 6,313,651 B1	11/06/2001	Hembree et al.	
	BB	^{US-} 6,314,641 B1	11/13/2001	Akram	
	ВС	^{US-} 6,329,829 B1	12/11/2001	Farnworth et al.	
	BD	^{US-} 6,333,555 B1	12/25/2001	Farnworth et al.	
·	BE	^{US-} 6,337,577 B1	01/08/2002	Doherty et al.	

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No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Τ
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U. S. PATENT DOCUMENTS

Name of Patentee or

Publication Date

Examiner Cite

Document Number

Initials*	No. ¹	Number-Kind Code ^{2 (# known)}	MM-DD-YYYY	Ар	plicant of Cited D	ocument	Relevant Passages or Releva Figures Appear	ant
	BF	^{US-} 6,437,451 B2	08/20/2002	Farnwo	rth et al.			
	BG	^{US-} 6,517,362	02/11/2003	Hirai et	al.			
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		Country Code ³ Number ⁴ Kind Code ⁵ (if kr.	nown)	M-DD-YYYY			Or Relevant Figures Appear	
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Application Number

Substitute for form 1449/PTO

INFORMATION DISCLOSURE Filing Date

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)					CLOSURE	Filing Date	09/18/2003				
					PPLICANT	First Named Inventor	WARREN M. FARNWORTH				
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Examiner Initials*		Cite No. ¹		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
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